

CLAIMS

1. A biological information inspection system, characterized by comprising:

a plurality of inspection means for detecting biological information;

a plurality of kinds of sensor chips corresponding respectively to said plurality of inspection means;

a sensor chip holding portion for holding said sensor chips;

a sensor chip identifying portion for identifying which of said inspection means one of said sensor chips placed corresponds to, upon said one of said sensor chips being placed in said sensor chip holding portion;

a control means for operating said one of said inspection means corresponding to an identification result of said sensor chip identifying portion;

a memory means for storing inspection results of said inspection means; and

an analysis means for making a multifactorial analysis of characteristics of a living organism from a plurality of inspection results obtained by using said plurality of inspection means.

2. A biological information inspection system as recited in claim 1, characterized in that each of said sensor chips comprises a cartridge of a mode corresponding to said sensor chip holding portion, a detection portion of a mode corresponding to each of said plurality of inspection means being attached to said cartridge.

3. A biological information inspection system as recited in claim 1, characterized in that each of said sensor chips has a marker portion of a different mode with each corresponding inspection means and said sensor chip identifying portion reads a difference of said marker portion.

4. A biological information inspection system as recited in claim 1, characterized in that:

each of said sensor chips comprises a cartridge portion having a common shape among said plurality of kinds of sensor chips in order to be held by said sensor chip holding portion, a detection portion corresponding to one of said plurality of inspection means, and a marker portion indicating which of said plurality of inspection means said detection portion corresponds to; and

said biological information inspection system further comprises a data reading portion for acquiring two-dimensional information of said detection portion and said marker portion,

which of said inspection means said detection portion corresponds to being identified from said two-dimensional information of said marker portion, and biological information being detected from said two-dimensional information of said detection portion by said one of said inspection means corresponding to said detection portion.

5. A biological information inspection system as recited in claim 4, characterized in that said data reading portion acquires image data of said detection portion and said marker portion.

6. A biological information inspection system as recited in claim 4, characterized in that each of said sensor chips has said detection portion and said marker portion arranged side by side in one direction, and said data reading portion comprises a line sensor, said line sensor acquiring images of said marker portion and said detection portion by scanning in said direction in which said marker portion and said detection portion of each of said sensor chips are arranged side by side.

7. A biological information inspection system as recited in one of claims 4 to 6, characterized in that said marker portion is a bar code or patterned indentations formed on each of said sensor chips.

8. A biological information inspection system, characterized by comprising:

a plurality of inspection means for detecting different kinds of biological information respectively; a plurality of kinds of sensor chips corresponding to said plurality of inspection means; and a sensor chip holding portion capable of holding said plurality of kinds of sensor chips,

each of said sensor chips comprising: a cartridge member having a common shape among said plurality of kinds of sensor chips in order to be held by said sensor chip holding portion; a detection portion corresponding to one of said plurality of inspection means; a marker portion indicating which of said plurality of inspection means said detection portion corresponds to,

said biological information inspection system further

comprising a data reading portion for acquiring two-dimensional information of said detection portion and said marker portion,

which of said inspection means said detection portion corresponds to being identified from said two-dimensional information of said marker portion, and biological information being detected from said two-dimensional information of said detection portion by said one of said inspection means corresponding to said detection portion.

9. A biological information inspection system as recited in claim 8, characterized in that said data reading portion acquires image data of said detection portion and said marker portion.

10. A biological information inspection system as recited in claim 8, characterized in that each of said sensor chips has said detection portion and said marker portion arranged side by side in one direction, and said data reading portion comprises a line sensor, said line sensor acquiring images of said marker portion and said detection portion by scanning in said direction in which said marker portion and said detection portion of each of said sensor chips are arranged side by side.

11. A biological information inspection system as recited in one of claims 8 to 10, characterized in that said marker portion is a bar code or patterned indentations formed on each of said sensor chips.